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Dr. Md. Hasanuzzaman
Professor
Research Area Applied Mathematics

Biography

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Education

Doctor of Engineering (D,Eng.)
Saga University,Japan(2015-2019)
Thesis Title: **Numerical and Similarity Analysis on Heat and Mass Transfer of Liquid Film flowing along an Incline**
Master of Philosophy (M.Phil.)
Khulna University of Engineering & Technology,Bangladesh(2011-2014)
Thesis Title: **Numerical Solution of Mixed Convective Laminar Boundary Layer Flow around a Vertical Slender Body w**
Master of Science in Applied Mathematics
University of Rajshahi,Bangladesh(2005-2006)Achievement:Gold Medel
Thesis Title: **A study of Tropical Cyclone over the Bay of Bengal**
Bachelor of Science in Mathematics
University of Rajshahi,Bangladesh(2000-2004)

Research Interest

Applied Mathematics
Fluid Dynamics

Publication

Books

Journals

29. Nabila,A. , T.,T. , Hasanuzzaman,H. , M.,M. , Hossain,&. M. and M.,M. (2024) , " Time-dependent hydromagnetic convective transport upon a vertical perforated sheet with heat production and viscous dissipation effects. (Q1, IF.: 4.7)," ***International Journal of Ambient Energy***, Taylor & Francis, vol2333917, DOI:https://doi.org/10.1080/01430750.2024.2333917

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25. PK,M. A. B. , Hasanuzzaman,M. , Hossain,M. M. and Mondal,D. (2024) , " Effects of Thermal Radiation and Variable Porosity on Unsteady Magnetoconvective Heat-Mass Transport Past a Vertical Perforated Sheet," ***Journal of Engineering***, ISBN:2314-4912, Hindawi Limited, vol2024, DOI:https://doi.org/10.1155/2024/8866265

24. 6. Hossain,6. , M.,M. , Nasrin,N. , R.,R. , Hasanuzzaman,&. and M.,M. (2023) , " Unsteady magneto porous convective transport by a micropolar binary fluid due to inclined plate: An inclusive analogy. (Q1, IF-4.0, Cell Press, Web of Science)," ***Heliyon***, ISBN:2405-8440 (online), Cell Press, Elsevier,Q1, Scopus, I.F. 4.0, Web of Science, vol10, DOI:DOI: 10.1016/j.heliyon.2024.e24314

23. Hossain,M. M. , Hasanuzzaman,M. , Laskar,A. R. and Barmon,A. (2023) , " Effects of Soret and Dufour on Unsteady Magneto-Convective Transport through a Vertical Perforated Sheet with Chemical Reaction," ***Advances in Mathematical Physics***, ISBN:1687-9139, Hindawi Limited, DOI:https://doi.org/10.1155/2023/6648797

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3. Hasanuzzaman,M. and Hossain,B. M. a. M. T. (2014) , " A Study of Similarity solution of unsteady combined free and force convective laminar boundary layer flow about a vertical porous surface with suction and blowing," ***Annals of Pure and Applied Mathematics***, vol6, no.1, pp.85-97

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Conference

8. Hossain,M. M. and Hasanuzzaman,R. N. a. M. , "TIME-DEPENDENT THERMAL-MATERIAL TRANSFER OF MICROPOLAR BINARY MIXTURE FLUID: EFFECTS OF LORENTZ FORCE AND INCLINATION," ***INTERNATIONAL CONFERENCE ON MARINE TECHNOLOGY (MARTEC 2022)***

7. Asaduzzaman,M. ,Hasanuzzaman,M. and Miyara,*. a. A. , "Effect of Suction on Unsteady MHD Free Convection and Mass Transfer Flow past a Continuous Permeable Sheet," ***International Conference on Mechanical, Industrial and Energy Engineering 2022 22-24 December, 2022, Khulna, BANGLADESH***

6. Milon,M. H. and Miyara,M. H. a. A. , "Unsteady Convection and Mass Transport over a Stretching Sheet in a Saturated Porous Medium with Magnetic Field," ***International Conference on Mechanical, Industrial and Energy Engineering 2022 22-24 December, 2022, Khulna, BANGLADESH***

5. Afroj,R. and Miyara,M. H. a. A. (10-11 December, 2021) , "Unsteady convective heat and mass transfer flow over moving sheet in a saturated permeable surface with chemical reaction ," ***22nd International Mathematics Conference 2021***

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1. Razzak,S. M. A. and Hossain,M. H. a. M. T. (2015) , "Numerical Investigation of the solution of Laminar convective boundary layer flow around a Vertical Slender Body with Transpiration," ***1st International conference on Mathematics & its application***